

quality due to reflected light. In such a case, the polarizer may be adhered prior to the cut-out step, and the cut-out can be performed collectively by a laser and the like. Therefore, steps that adhere the polarizer can be simplified.

[0177] The display device 12 according to this example having such a structure also can suppress separation of the connection portion.

Second Embodiment

[0178] A method for manufacturing a display device according to a second embodiment of the invention is a method for manufacturing a display device including: a flexible first substrate 110; a flexible second substrate 120 provided to face the first substrate 110; a display part 180 having a display component 150 disposed between the first substrate 110 and the second substrate 120 to produce at least one of an optical characteristic change and a light emission; and a wiring substrate 130 connected to a connection pad 160 provided on at least one of the first substrate 110 and the second substrate 120. The assembly of the first and second substrates 110 and 120 and the wiring substrate 130 is distinctive and therefore will be described.

[0179] FIG. 17 is a flowchart illustrating the method for manufacturing the display device according to the second embodiment of the invention.

[0180] In the method for manufacturing the display device according to this embodiment illustrated in FIG. 17, first, the display component 150 is disposed in the display part 180 between the first and second substrates 110 and 120, and the first substrate 110 and the second substrate 120 are disposed to face each other (step S110).

[0181] At least a portion of the wiring substrate 130 is inserted between the first substrate 110 and the second substrate 120 outside the display part 180. The wiring substrate 130 is fixed to at least one of the first substrate 110 and the second substrate 120 (step S120).

[0182] In step S110 recited above, the order of disposing the display component 150 in the display part 180 between the first and second substrates 110 and 120 and disposing the first substrate 110 and the second substrate 120 is arbitrary.

[0183] In other words, as described above, the bonding agent is provided in a prescribed configuration on the first and second substrates 110 and 120, a prescribed amount of the liquid crystal is dropped on the inside of the bonding agent, and then the first substrate 110 and the second substrate 120 are adhered to each other in a vacuum to dispose the first substrate 110 and the second substrate 120 to face each other. At this time, the first substrate 110 and the second substrate 120 can be bonded. Alternatively, a bonding agent having a prescribed configuration may be provided on the first and second substrates 110 and 120. Subsequently, the bonding agent may be cured to dispose the first and second substrates 110 and 120 facing each other. Then, the liquid crystal may be injected between the first and second substrates 110 and 120.

[0184] An organic EL layer, i.e., the display component 150, may be provided in, for example, the display part 180 of the first substrate 110 in the case where the display component 150 is, for example, an organic EL element. Then, the first substrate 110 and the second substrate 120 can be disposed facing each other.

[0185] Although the first and second substrates 110 and 120 are disposed facing each other in step S110, the first and second substrates 110 and 120 may be bonded at this time.

The bond of the first and second substrates 110 and 120 may be performed in step S120 or after step S120.

[0186] When inserting at least a portion of the wiring substrate 130 between the first substrate 110 and the second substrate 120 in step S120, at least a portion of the wiring substrate 130 may be inserted between the first and second substrates 110 and 120 in a state in which at least one of the first and second substrates 110 and 120 is lifted upward or downward using, for example, a vacuum chuck, etc., to increase the spacing between the first and second substrates 110 and 120.

[0187] The wiring substrate 130 is fixed on at least one of the first substrate 110 and the second substrate 120.

[0188] The method for manufacturing the display device recited above may use a method that makes multiple devices from a larger sheet as that illustrated in FIGS. 14A to 14D, or may use a method that makes a single device.

[0189] In the case where the method that makes multiple devices from a larger sheet is used, as described above, the first and second substrates 110 and 120 can be collectively cut. At this time, the end faces of the first and second substrates 110 and 120 can be cut in substantially the same plane.

[0190] Thus, the method for manufacturing the display device according to this embodiment may further include a step that collectively cuts at least a portion of the substrate forming the first substrate 110 (for example, the first sheet 110f) and the substrate forming the second substrate 120 (for example, the second sheet 120f) between step S110 and step S120.

[0191] The step that collectively cuts at least a portion of the substrate forming the first substrate 110 and the substrate forming the second substrate 120 may be a step that cuts the substrate forming the first substrate 110 and the substrate forming the second substrate 120 such that the end faces of at least portions of the first substrate 110 and the second substrate 120 form substantially the same plane.

[0192] Such a method for manufacturing the display device according to this embodiment can suppress separation of the connection portion.

[0193] As described above, the method for manufacturing the display device according to this embodiment provides an advantage that a shock-absorbing material is unnecessary during thermal compression bonding of the wiring substrate 130 to at least one of the first and second substrates 110 and 120.

[0194] Hereinabove, embodiments of the invention are described with reference to specific examples. However, the invention is not limited to these specific examples. For example, one skilled in the art may appropriately select specific configurations of components of the display device and the method for manufacturing the same from known art and similarly practice the invention. Such practice is included in the scope of the invention to the extent that similar effects thereto are obtained.

[0195] Further, any two or more components of the specific examples may be combined within the extent of technical feasibility; and are included in the scope of the invention to the extent that the purport of the invention is included.

[0196] Moreover, all display devices and methods for manufacturing the same that can be obtained by an appropriate design modification by one skilled in the art based on the display devices and the methods for manufacturing the same